

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

BLAST-CO CONTRACTING, INC.

Pursuant to "The Land Reclamation Act," RSMo. 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
limestone in the state of Missouri. The extent of the

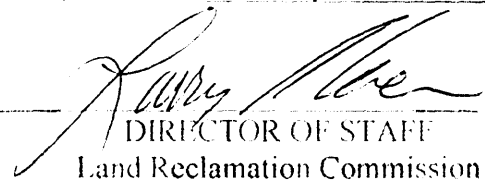
Proposed mining operation(s) will be on 15 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Camden	09	39N	17W	15	0	15	Shawnee Bend Quarry	1965

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

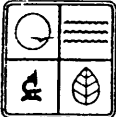
IN WITNESS WHEREOF I have hereunto set my hand this 18th day of February 2004


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0747
Effective Date 02/18/2004
Expiration Date 11/30/2004
MO 780-1122 (6-95)

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JAN 20 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY PARTNERSHIP OR INDIVIDUAL <u>Blast Co Contracting</u>		DATE <u>11-1-03</u>	
ADDRESS <u>4178 Co Rd 484</u>	CITY <u>Lebanon</u>	STATE <u>Mo</u>	ZIP CODE <u>65280</u>
CONTACT PERSON <u>Marge Adrian</u>		TELEPHONE NUMBER <u>573-295-6969</u>	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. <u>Shawnee Bend Quarry</u>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <u>300.00</u>
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$

2. Acreage Fee \$5 X 15 number of acres bonded \$ 75.00

3. Annual Permit Fee..... \$ 500

4. Total Fee (Add totals from 1, 2 and 3)..... \$ 875.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee..... \$ 300

SIGNATURE OF APPLICANT <u>Marge Adrian</u>		TITLE <u>Secretary</u>	DATE <u>11-16-04</u>
Appeared before me this <u>16th</u> day of <u>January</u> , 20 <u>04</u> , <u>Marge Adrian</u> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <u>Missouri</u>	COUNTY (OR CITY OF ST. LOUIS) <u>Camden</u>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <u>16th</u> DAY OF <u>Jan</u> , YEAR <u>04</u>		
	NOTARY PUBLIC SIGNATURE <u>Cheryl D. Irwin</u>	MY COMMISSION EXPIRES <u>3/18/2006</u>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <u>CHERYL D. IRWIN</u>		

USE RUBBER STAMP IN CLEAR AREA BELOW.



CHERYL D. IRWIN
Camden County
My Commission Expires
March 18, 2006

FOR DEPARTMENT USE ONLY: APPROVED BY <u>Michael J. Smith</u>	DATE APPROVED <u>2-10-04</u>	PERMIT NUMBER <u>0747</u>	EXPIRATION DATE <u>11/30/2004</u>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.			MISSOURI LAND RECLAMATION COMMISSION
SITE NAME OR NUMBER Shawnee Bend Asphalt Quarry		PERMIT NUMBER 0747	
COMPANY NAME Blast-Co. Contracting			
COUNTY Camden	1/4 SECTION NE	SECTION 9	
TOWNSHIP 39N	RANGE 17W	ACRES 30 30	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) —			
MINERAL COMMODITY limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) 100,000	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Harry Adrian		
ADDRESS 4478 Co Rd 484		
CITY Tebbetts	STATE mo	ZIP CODE 65080
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 12-29-02
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Blast-Co Contracting		
ADDRESS 4478 Co Rd 484		
CITY Tebbetts	STATE mo	ZIP CODE 65080
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT 12-29-02
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MINE PLAN

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

COMPANY NAME _____

☐ LONG TERM, FOR PERIOD THROUGH DATE: _____

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This plan covers an area of approximately 30 acres.
The area is wooded and the topsoil is very thin & rocky.
The area is east of State Hwy 5.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

1-2 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

after ~~trees~~ are cleared with bulldozers all available top soil will be removed. Topsoil removal will be kept at least 10 feet ahead of pit excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE

Topsoil will be placed in stockpile in a stable location on permitted area. Top soil will be seeded with vegetation to prevent erosion.

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B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

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No spoils. Vertical highwall

MISSOURI LAND
RECLAMATION COMMISSION

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None.

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND CREINTATION OF PIT, IF NOT CLEAR ON SITE MAPS

See map

- | YES | NO | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1 ½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "YES", a safety barrier may be needed.) |

A. RECLAMATION PLAN - 10 (CSR 40-10.020(2)(D)2.

REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

fescue

PURPOSE OR LAND USE

industrial

SEEDING OR PLANTING TIME

spring or fall

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Although final land use is industrial, grass will be grown sufficient enough ~~to grow~~ ^{ground} put area to prevent erosion.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
fescue	30		

REVEGETATION MIX #2

NA

PURPOSE OR LAND USE

NA

SEEDING OR PLANTING TIME

NA

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

NA

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS / ACRE	TREE OR SHRUB SPECIES	STEMS / ACRE
NA	NA	NA	NA

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

a bare rock industrial floor with free draining topography will be left after mining. Vertical high wall.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will be done as needed as the pit advances. Final grading will be completed within one year of permit expiration, ~~2000~~

REPLACEMENT OF TOPSOIL

Top soil will be replaced within one year of permit expiration on any areas requiring vegetation.

REVEGETATION

All topsoil areas will be seeded during the first optimum seeding period following topsoil replacement.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

1-2

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

2

Agriculture (pasture, cropland, and horticultural)

0

Development (residential, industrial and recreational)

30

Water impoundments (for wildlife, agriculture, or development)

0

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MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intends to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMO 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Margie Quinn</i>		TITLE <i>Secretary</i>		DATE <i>4-4-03</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>		COUNTY (OR CITY OF ST. LOUIS) <i>Cole</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>4th</i> DAY OF <i>April</i> 20 <i>03</i>		USE RUBBER STAMP IN CLEAR AREA BELOW KELLEY L. STEINER Notary Public - Notary Seal STATE OF MISSOURI County of Cole My Commission Expires Jan. 23, 2006	
	NOTARY PUBLIC SIGNATURE <i>Kelley L. Steiner</i>	MY COMMISSION EXPIRES <i>1-23-06</i>		
	NOTARY PUBLIC NAME (TYPED OF PRINTED) <i>Kelley L. Steiner</i>			
FOR DEPARTMENT USE ONLY: APPROVED BY <i>T. H.</i>		DATE APPROVED <i>5-27-03</i>		PERMIT NUMBER <i>0747</i>

Locator Map

Blast-Co. Quarry #797

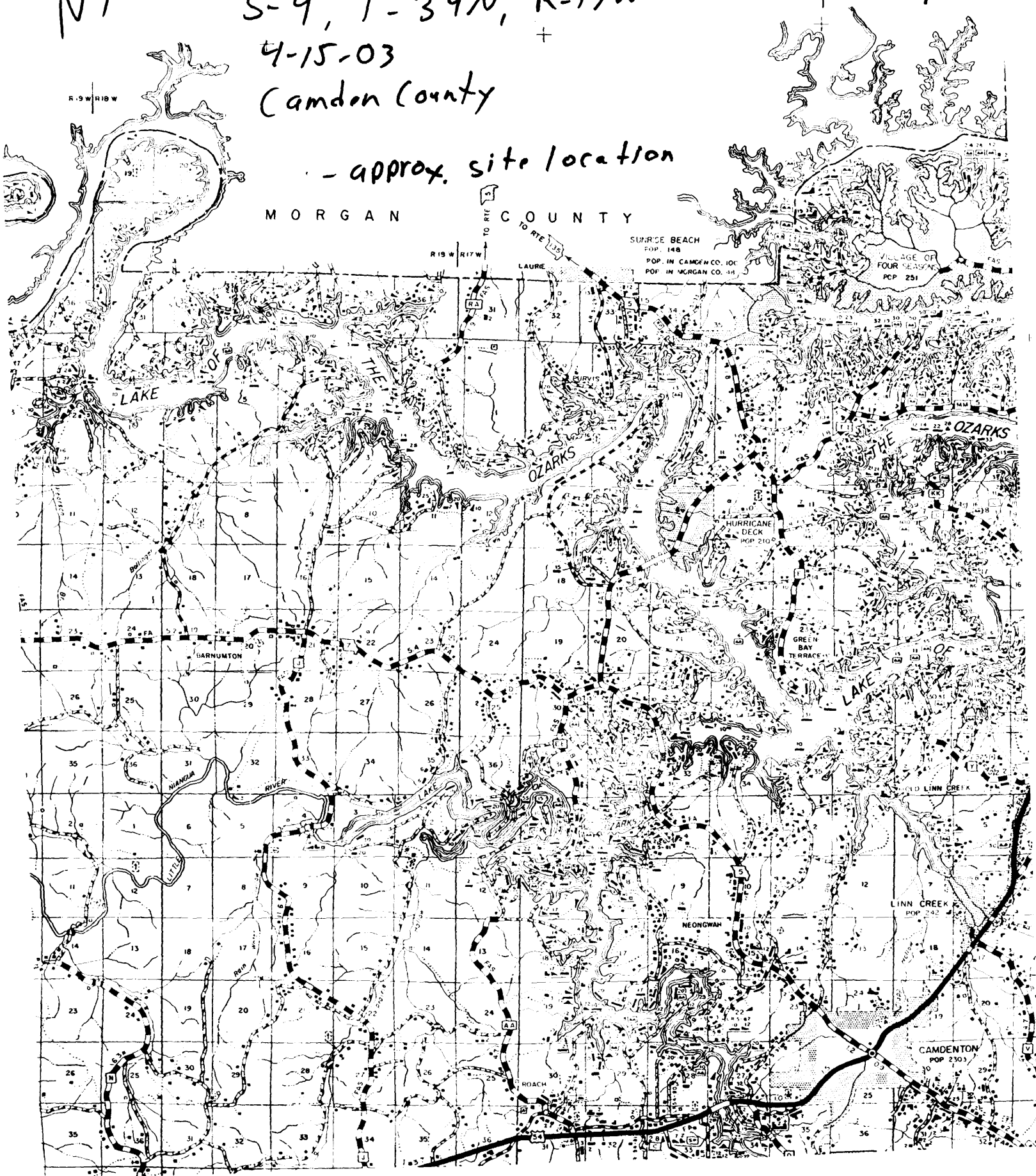
Shawnee Bend Quarry

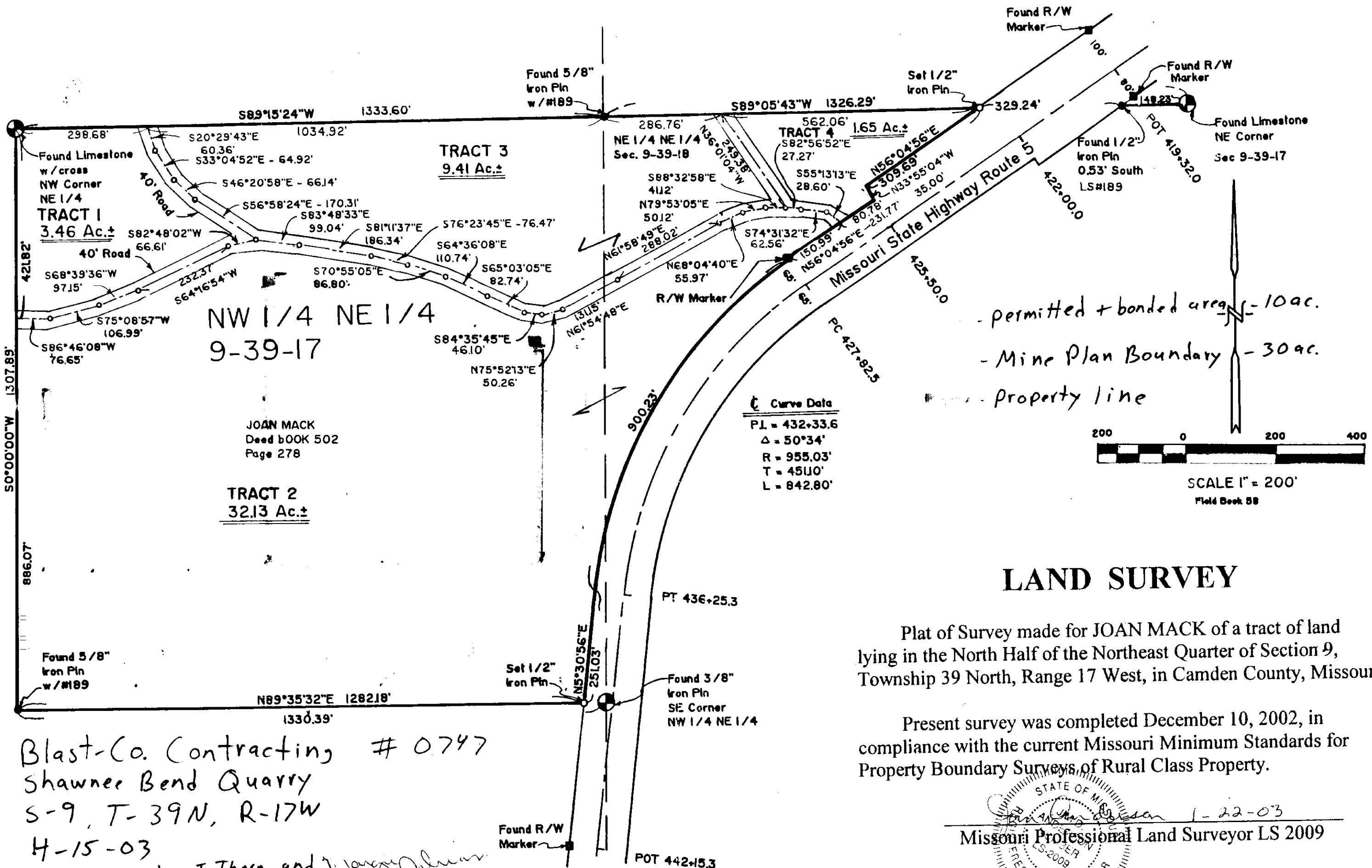
S-9, T-39N, R-17W

4-15-03

Camden County

MAINT
map prep by T. Thon
and Margi Adlin
on 04/03





LAND SURVEY

Plat of Survey made for JOAN MACK of a tract of land lying in the North Half of the Northeast Quarter of Section 9, Township 39 North, Range 17 West, in Camden County, Missouri.

Present survey was completed December 10, 2002, in compliance with the current Missouri Minimum Standards for Property Boundary Surveys of Rural Class Property.

Missouri Professional Land Surveyor LS 2009
 1-22-03

Blast-Co. Contracting # 0747
 Shawnee Bend Quarry
 S-9, T-39N, R-17W
 H-15-03
 Map. prep by T. Thorn and T. [unclear]
 - Area to be reclaimed to 100% Industrial

T-62

$$I'' = 100' \pm$$

374-5345

OCT 10 2002

MISSOURI LAND
RECLAMATION COMMISSION

Property Boundary

Permuty Baurclary

